

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re: Rao et al.  
 Appl No.: To be assigned  
 Filed: Concurrently Herewith  
 For: COMPOSITIONS AND METHODS FOR ALTERING  
 AMINO ACID CONTENT OF PROTEINS

January 6, 2000

Assistant Commissioner for Patents  
 Washington, DC 20231

JCC584 U.S. PRO  
 09/478567  
 01/06/00



**INFORMATION DISCLOSURE STATEMENT  
 CITATION UNDER 37 C.F.R. § 1.97**

Sir:

Attached is a list of documents on form PTO-1449. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

All items are attached except those that were supplied in parent Application No. 08/988,015 filed 12/10/1997. Since the benefit of this application was claimed under 35 U.S.C. 120, no copies need to be furnished in accordance with 37 C.F.R. 1.98(d); however, copies will be furnished on request.

Respectfully submitted,



W. Murray Spruill  
 Registration No. 32,943

**ALSTON & BIRD LLP**  
 Post Office Drawer 34009  
 Charlotte, NC 28234  
 Tel Raleigh Office (919) 420-2200  
 Fax Raleigh Office (919) 420-2260

"Express Mail" Mailing Label Number EL039496705US  
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Sherée T. Edington  
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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

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**Complete It Known**

Application Number To be assigned

Filing Date Concurrently Herewith

First Named Inventor Rao et al.

Group Art Unit To be assigned

Examiner Name \_\_\_\_\_ To be assigned

Attorney Docket Number 5718-16B

JJC 584 U.S. PTO  
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01/09/U  
106913/3

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office	Number			
	3	WO	93/08682	State University of New Jersey - Rutgers	05/13/1993	
	4	WO	94/16088	Rijksuni-Versiteit Leiden	07/21/994	
	5	WO	95/22625	Affymax Technologies	08/24/1995	
	6	WO	95/31554	E.I. DuPont De Nemours and Company	11/23/1995	
	7	WO	96/38563	Pioneer Hi-Bred International, Inc.	12/05/1996	
	8	WO	97/35023	Pioneer Hi-Bred International, Inc.	09/25/1997	
	9	WO	97/20078	Affymax Technologies	06/05/1997	

Examiner Signature		Date Considered	
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	To be assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Rao et al.
				Group Art Unit	To be assigned
				Examiner Name	To be assigned
Sheet	2	of	2	Attorney Docket Number	5718-16B

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T
	10	ALTENBACH et al., Enhancement of the Methionine Content of Seed Proteins by the Expression of a Chimeric Gene Encoding a Methionine-Rich Protein in Transgenic Plants, Plant Molecular Biology, 1989, pages 513-522, vol. 13, Belgium			
	11	SCOTT et al., Searching for Peptide Ligands with an Epitope Library, Science, 1990, pp. 386-390, vol. 249			
	12	STASWICK, P., Novel Regulation of Vegetative Storage Protein Genes, The Plant Cell, January 1990, pages 1-6, vol. 2,			
	13	STEMMER, W., Rapid Evolution of a Protein <i>In Vitro</i> By DNA Shuffling, Nature, Aug. 4, 1994, pages 389-391, vol. 374			
	14	STEMMER, W., DNA Shuffling by Random Fragmentation and Reassembly: <i>In Vitro</i> Recombination for Molecular Evolution, Proc. Natl. Acad. Sci. USA, Oct. 1994, ppages 10747-10751, vol. 91			
	15	HONGDI et al., A Phage Display System for Studying the Sequence Determinations of Protein Folding, Protein Science, 1995, pp. 1108-1117, vol. 4			
	16	MARCELLINO et al., Modified 2S Albumins with Improved Tryptophan Content are Correctly Expressed in Transgenic Tobacco Plants, FEBS Letters, 1996, pages 154-158, vol. 385			
	17	MOLVIG et al., Enhanced Methionine Levels and Increased nutritive Value of Seeds of Transgenic Lupins ( <i>Lupinus Angustifolius L.</i> ) Expressing a Sunflower Seed Albumin Gene, Proc. Natl. Acad. Sci. USA, Aug. 1997, pages 8393-8398, Vol. 94, Agricultural Sciences			
	18	FRIGUET et al., Immunochemical Analysis of Protein Conformation, Protein Structure a Practical Approach, pp. 287-310, IRL Press, Oxford University Press, MRC Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH, UK			

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Examiner Signature		Date Considered	
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